

# INTERNATIONAL SEARCH REPORT

PCT/GB 03/04877

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 G01N21/03		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 469 303 B1 (HSI PETER C ET AL) 22 October 2002 (2002-10-22) column 7, line 30 - line 57 figure 5	1,5,7-9, 16
Y		2-4,6, 10,14
Y	GB 2 316 172 A (EEV LTD) 18 February 1998 (1998-02-18) cited in the application page 5, paragraph 7 -page 8, paragraph 2	2-4,6, 10,14
A	figures 1,3	1,9
X	GB 2 245 058 A (SIEGER LTD) 18 December 1991 (1991-12-18) page 6, paragraph 5 -page 9, paragraph 4 figure 1	1,9
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *Z* document member of the same patent family		
Date of the actual completion of the international search  11 February 2004		Date of mailing of the international search report  20/02/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  Krametz, E

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 668 635 A (FORSTER MARTIN) 26 May 1987 (1987-05-26) column 11, line 34 -column 12, line 5 figure 3 ---	1,9
A	DE 100 58 469 C (DRAEGER SAFETY AG & CO KGAA) 2 May 2002 (2002-05-02) paragraph '0016! - paragraph '0018! figures ---	1,7,8
A	EP 0 704 691 A (MICROPARTS GMBH) 3 April 1996 (1996-04-03) column 5, line 12 - line 33 figure 1 -----	1,8,9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB 03/04877

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6469303	B1	22-10-2002	NONE	
GB 2316172	A	18-02-1998	CA 2212432 A1 EP 0825430 A2 US 5973326 A ZA 9706936 A	10-02-1998 25-02-1998 26-10-1999 18-02-1998
GB 2245058	A	18-12-1991	DE 69113509 D1 DE 69113509 T2 EP 0457624 A1 IE 911700 A1 PT 97713 A ,B	09-11-1995 30-05-1996 21-11-1991 20-11-1991 30-07-1993
US 4668635	A	26-05-1987	CH 667738 A5 EP 0157243 A2 ES 8608679 A1 JP 60228940 A	31-10-1988 09-10-1985 01-12-1986 14-11-1985
DE 10058469	C	02-05-2002	DE 10058469 C1 GB 2369884 A ,B US 2002063216 A1	02-05-2002 12-06-2002 30-05-2002
EP 0704691	A	03-04-1996	DE 4434814 A1 EP 0704691 A2 JP 8114501 A US 5550375 A	04-04-1996 03-04-1996 07-05-1996 27-08-1996